

# Session 9

## Lunar Laser Ranging and Deep Space Missions

- A total of six presentations and two posters.
- Two presentations were focusing on Lunar Laser Ranging, two on Corner Cube Reflectors and two were introducing new concepts.
- Since Laser Ranging is challenging over long distances due to the signal loss only one work was mentioning Deep Space on the side, while the primary focus was on Lunar Laser Ranging.
- Johann Eckl showed how the WETL system is both operating eyesafe and to the moon.
- Xiong Yahoeng introduced us into a very new and powerful Chinese Lunar Laser Ranging Station.

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- Yun He presented about a new Chinese Laser Retroreflector Design that shall also be used on a mission in orbit around the Lunar Lagrange Point.
- Luca Porcelli showed the progress about the development of the INFN Lunar Laser Retroreflector and which missions that is supposed to be deployed on next.
- Vladimier Zharov presented us new applications of precise lunar laser ranges such as a Lunar Reference Frame and a new powerful station.
- Slava Turyshey introduced a novel approach for Lunar Laser Ranging by using Continuous Wave beams and reflective tape for ranging to satellites.